

## Sustainable Thermal Energy Management Network

### Vision

The use of thermal energy (heating and cooling) represents one of the largest requirements for energy in the UK. The principal aim of the SusTEM network is to accelerate the development and application of thermal energy solutions both in the UK and internationally by facilitating researcher collaboration, disseminating high quality research and the transfer of knowledge to all stakeholders.

### Objectives

1. Provide a forum to incorporate stakeholder opinions in the area of thermal energy management for the industrial, building and transport sectors.
2. Engage with multi-disciplinary researchers within the research community to ensure knowledge transfer across all aspects of energy management including technology, socio-economics, behavioural science and policy.
3. Stimulate knowledge transfer between academia, industry, government and other stakeholders at a national and international level to maximise industrial application of new technologies and methods.
4. Identify and promote future research requirements based on partner contributions, road-mapping and links to other relevant networks and initiatives.

### Operation

The network is open to international participants from industry and academia with an interest in realising thermal energy management technologies in society. It is coordinated from the Sir Joseph Swan Centre for Energy Research (SWAN) at Newcastle University and led by Professor Anthony P. Roskilly, who has over 25 years of experience in design, control and optimisation of thermal energy systems and is Director of SWAN. The steering group will provide strategic direction for the network activities.

The network website is available to:

- act as a platform for sharing and disseminating information to facilitate collaborations with a wider audience,
- provide visibility for member's activities and events,
- disseminate publications of research outcomes, technical reports & results of industrial events organised by the network,
- provide a collection of reference materials in energy management, including materials from previous projects.

A number of events will be organised during 2014 & 2015 to foster networking, discussions and knowledge transfer.